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Ala Lys Leu Pro Ser Thr Ile Ala Pro Val Thr Leu Thr Leu Gly Ser 85 90 95

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Gly Ile Pro Thr Pro Gly Arg Ser Arg Ala Phe Thr Arg Lys Ser Phe 145 150 155 160

His Gly Cys Leu Glu Asn Leu Tyr Tyr Asn Gly Val Asp Val Thr Glu 165 170 175

Leu Ala Lys Lys His Lys Pro Gln Ile Leu Met Met Gly Asn Val Ser 180 185 190

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Glu Leu Ser Ser Ser His Gly Pro Gly Phe Ala Arg Leu Asn Arg Arg 50 $\,$ 55 $\,$ 60

Asp Gly Ala Gly Gly Trp Ser Pro Leu Val Ser Asn Lys Tyr Gln Trp 65 70 75 80

Leu Gln Ile Asp Leu Gly Glu Arg Met Glu Val Thr Ala Val Ala Thr 85 90 95

Gln Gly Gly Tyr Gly Ser Ser Asn Trp Val Thr Ser Tyr Leu Leu Met 100 105 110

Phe Ser Asp Ser Gly Trp Asn Trp Lys Gln Tyr Arg Gln Glu Asp Ser 115 120 125

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Pro Thr Phe His Gly Glu Leu Ser Ala Asp Val Ser Phe Phe Phe Lys 145 150 155 160

Thr Thr Ala Ser Ser Gly Val Phe Leu Glu Asn Leu Gly Ile Ala Asp 165 170 175

Phe Ile Arg Ile Glu Leu Arg Ser Pro Thr Val Val Thr Phe Ser Phe 180 185 190

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Phe Val Gly Gly Thr Ala Thr Arg Gln Arg Gly Phe Leu Gly Cys Ile 35 40 45

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50 55 60

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Tyr Gly Lys Leu Cys Arg Asn Gly Gly Lys Cys Arg Glu Arg Pro Ile 85 90 95

Gly Phe Phe Cys Asp Cys Thr Phe Ser Ala Tyr Thr Gly Pro Phe Cys 100 105 110 Ser Asn Glu Ile Ser Ala Tyr Phe Gly Ser Gly Ser Ser Val Ile Tyr 115 120 125

Asn Phe Gln Glu Asn Tyr Leu Leu Ser Lys Asn Ser Ser Ser His Ala 130 135 140

Ala Ser Phe His Gly Asp Met Lys Leu Ser Arg Glu Met Ile Lys Phe 145 150 155 160

Ser Phe Arg Thr Thr Arg Thr Pro Ser Leu Leu Phe Val Ser Ser 165 170 175

Phe Tyr Lys Glu Tyr Leu Ser Val Ile Ile Ala Lys Asn Gly Ser Leu 180 185 190

Gln Ile Arg Tyr Lys Leu Asn Lys Tyr Gln Glu Pro Asp Val Val Asn 195 200 205

Phe Asp Phe Lys Asn Met Ala Asp Gly Gln Leu His His Ile Met Ile 210 215 220

Asn Arg Glu Glu Gly Val Val Phe Ile Glu Ile Asp Asp Asn Arg Arg 225 230 235 240

Arg Gln Val His Leu Ser Ser Gly Thr Glu Phe Ser Ala Val Lys Ser 245 250 255

Leu Val Leu Gly Arg Ile Leu Glu His Ser Asp Val Asp Gln Asp Thr 260 265 270

Ala Leu Ala Gly Ala Gln Gly Phe Thr Gly Cys Leu Ser Ala Val Gln 275 280 285

Leu Ser His Val Ala Pro Leu Lys Ala Ala Leu His Pro Ser His Pro 290 295 300

Asp Pro Val Thr Val Thr Gly His Val Thr Glu Ser Ser Cys Met Ala 305 310 315 320

Gln Pro Gly Thr Asp Ala Thr Ser Arg Glu Arg Thr His Ser Phe Ala 325 330 335

Asp His Ser Gly Thr Ile Asp Asp Arg Glu Pro Leu Ala Asn Ala Ile 340 345 350

Lys Ser Asp Ser Ala Val Ile Gly Gly Leu Ile Ala Val Val Ile Phe 355 360 365

Ile Leu Leu Cys Ile Thr Ala Ile Ala Val Arg Ile Tyr Gln Gln Lys 370 375 380

Arg Leu Tyr Lys Arg Ser Glu Ala Lys Arg Cys Ser Cys Tyr Leu Val 385 390 395 400

Ala Val Leu Thr Ser Leu Val Ala Glu Leu 405 410